## CAM80/160/384/640/978/979 Professional Thermal Imaging Camera



CAM80/CAM160/CAM384/CAM640/CAM978/CAM979 have compact structure, small size and light weight which are a solid durable product with high sensitivity, clarity images, precise measurement and flexible operation features. It can meet the demand of non-contact temperature measurement, fast fault detection and thermal field analysis in the field of industrial, electrical, electronics and other industries.

CAM979 is combined with Visual and Thermal Imaging function, provides more flexible operation features.

The leading end will complete all the image processing and temperature measurement then the analog video can output to a monitor directly.





Model: 979



Model: 978

An	nli	cati	ons
AP	יייק	Juli	UIII

- · Buildings, factories security monitor circular;
- · Border, ports, airports, railway stations and other big visitors flow rate places monitor circular;
- Warehouse fire monitor circular;
- · Forest fire monitor circular.





RL-7.5 5mm Lens



33mm Lens

**RL-33** 



**RL-22** 22mm Lens

Specifications						
	CAM80	CAM160	CAM384/978	CAM640	CAM979	
Imaging and optical data						
Field of view (FOV) / Minimum focus distance	17x17°/0.5m	29.8x22.6°/0.2m	24.6°x 18.6°/ 0.5m	24.6°x 19.8°/ 0.3m	29.8°x 22.6°/ 0.2m	
Spatial resolution (IFOV)	3.78mrad	3.33mrad	1.14 mrad	0.45	3.33mrad	
Thermal sensitivity/NETD	< 0.1°C /100mK	< 0.08°C /80mK	< 0.05°C /50mK	< 0.05°C /50mK	< 0.08°C @ +30°C (+86°F)/80 mK	
Image frequency	50HZ					
Focus mode	Manual					
Focal length	9mm	7.5mm	22mm	38mm	7.5mm	
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8–14 µm					
IR resolution	80x80	160x120	384x288	640x480	160x120	
Image presentation						
Image modes	IR image only				IR image, visual image	
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Sepia, Blue_Red, Hot_Cold, Humidity					
Measurement						
Object temperature range	-20°C to +150°C (-4°F to +302°F) 0°C to +350°C (+32°F to +662°F) -20°C to +150°C (-4°F to +302°F) 0°C to +400°C (+32°F to +752°F)					
Accuracy	±2°C (±3.6°F) or ±2% of reading					
Data communication interfa-	ces					
Interfaces	USB, composite video				composite video	
USB	Remote control					
Video out	Composite(PAL and NTSC)					
Ethernet type, connector type, video streaming			100Mbps, RJ-45, H.264			
Alarm output	2 relay output					
Power system						
Input voltage	DC 9V to 12V					
Options Lens						
11mm		20.6° x 15.5°	47.1°x 36.2°		20.6° x 15.5°	
22mm		10.4° x 7.8°			10.4° x 7.8°	
33mm		6.9° x 5.2°			6.9° x 5.2°	

Size(HxWxD): 90mmx74mmx74mm

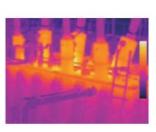
130mmx60mmx74mm(978 only)

Weight: 1000g

38mm

Accessories: Infrared camera with lens, CVBS cable,

RS485 cable, Network cable, Gift box.



14.4°x 10.8°

